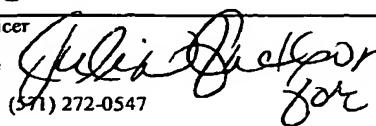


## INTERNATIONAL SEARCH REPORT

International application No  
PCT/US04/41723

A CLASSIFICATION OF SUBJECT MATTER		
IPC(7) A01H 1/00, 5/00, 5/10, C12N 15/82, C12Q 1/68, C07H 21/4 US CL 536/24 3,436/6,419,800/320 1,300 1,266,275,298 According to International Patent Classification (IPC) or to both national classification and IPC		
B FIELDS SEARCHED		
Minimum documentation searched (classification system followed by classification symbols) U S 536/24 3,436/6,419,800/320 1,300 1,266,275,298		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) Search of SEQ ID NO 1,2 and 3, EAST (USPAT, USPGPUB), STN (Agricola, Biosis, CaPlus, Embase)		
C DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
Y	US 5,428,147 (BARKER et al) 27 June 1995 (06 27 1995), SEQ ID NO 1	1, 2, 27-30
<input type="checkbox"/> Further documents are listed in the continuation of Box C		<input type="checkbox"/> See patent family annex
<p>* Special categories of cited documents</p> <p>"A" document defining the general state of the art which is not considered to be of particular relevance</p> <p>"E" earlier application or patent published on or after the international filing date</p> <p>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>"O" document referring to an oral disclosure, use, exhibition or other means</p> <p>"P" document published prior to the international filing date but later than the priority date claimed</p> <p>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>"X" document of particular relevance, the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>"Y" document of particular relevance, the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</p> <p>"S" document member of the same patent family</p>		
Date of the actual completion of the international search 08 August 2005 (08 08 2005)	Date of mailing of the international search report 16 FEB 2006	
Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P O Box 1450 Alexandria, Virginia 223 13-1450 Facsimile No (703) 305-3230	Auth. officer David H Kruse Telephone No (571) 272-0547 	

## INTERNATIONAL SEARCH REPORT

International application No

PCT/US04/41723

## Box No. I Nucleotide and/or amino acid sequence(s) (Continuation of item I.b of the first sheet)

1 With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, the international search was carried out on the basis of

a type of material

a sequence listing  
 table(s) related to the sequence listing

b format of material

in written format  
 in computer readable form

c time of filing/furnishing

contained in the international application as filed  
 filed together with the international application in computer readable form  
 furnished subsequently to this Authority for the purposes of search

2  In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished

3 Additional comments